

Summary of CEMARS® certification:



EasiYo Products Limited Yogurt (powdered)

EasiYo Products Limited meets the requirements of CEMARS® certification having measured the business-to-consumer life cycle greenhouse gas emissions for its product in accordance with the requirements of PAS 2050:2008 and committed to managing and reducing the emissions intensity of the product in respect of the powdered yoghurt sachets excluding hardware, family and starter packs, fruit squirt, ice cream, mousse and cheesecake mix and cookbook.



Introduction¹ – This public declaration presents² certified information about EasiYo’s product carbon footprint which has been prepared using the methods detailed in the Programme product footprint specification CZPP08 Yogurt (powder).

Company climate change policy – EasiYo is committed to the measurement, management and reduction of greenhouse gas emissions as demonstrated through its journey to CEMARS certification.

Product description – EasiYo manufactures sachets of Real Base and Culture from which their customers can make up Yogurt. This certification is applicable for the powdered yogurt sachets only. The range of products³ for which a measurement is being undertaken is:

- Standard Range
- Low Fat Range
- Biolife Range
- Speciality Range
- Drinking Yogurt Range
- Premium Range

Excluded from the certification are the real fruit squirts, ice cream mix, premium yogurt mousse mix, cheesecake, and bits yogurt. A range of sachet weights are included within the boundary of the assessment. These are 140g, 150g, 170g, 180g, 210g, 215g, 225g, 230g, 235g, 240g, 245g, and a range from 2000g - 2700g.

The functional unit is a kg of yogurt eaten by the consumer, as detailed in the product footprint specification.

Scope and boundary – The product carbon footprint is for a “business-to-consumer” scope.

¹ **Disclaimer:** This Disclosure Statement is a summary of the verified information considered for certification and the certification decision. It should not be taken to represent the full submission for certification. While every effort has been made to ensure that the information in this Disclosure Statement is accurate and complete, Landcare Research does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information. The product carbon footprint information disclosed in this statement should not be used to make comparisons with other products/services unless the same methodologies, scope and boundaries have been applied.

² CZPP04 product disclosure template v2.0, created 07/10/2010; last revised 01/04/2011.

³ Yogurt hardware, family and starter packs, fruit squirt, ice cream, mousse and cheesecake mix products and the cookbook range are excluded from the certification.

Summary of CEMARS® certification:



EasiYo Products Limited Yogurt (powdered)

The diagram below shows the life cycle diagram used for describing the greenhouse gas emissions associated with the yogurt (powdered) product, and what unit processes were included in the product carbon footprint.

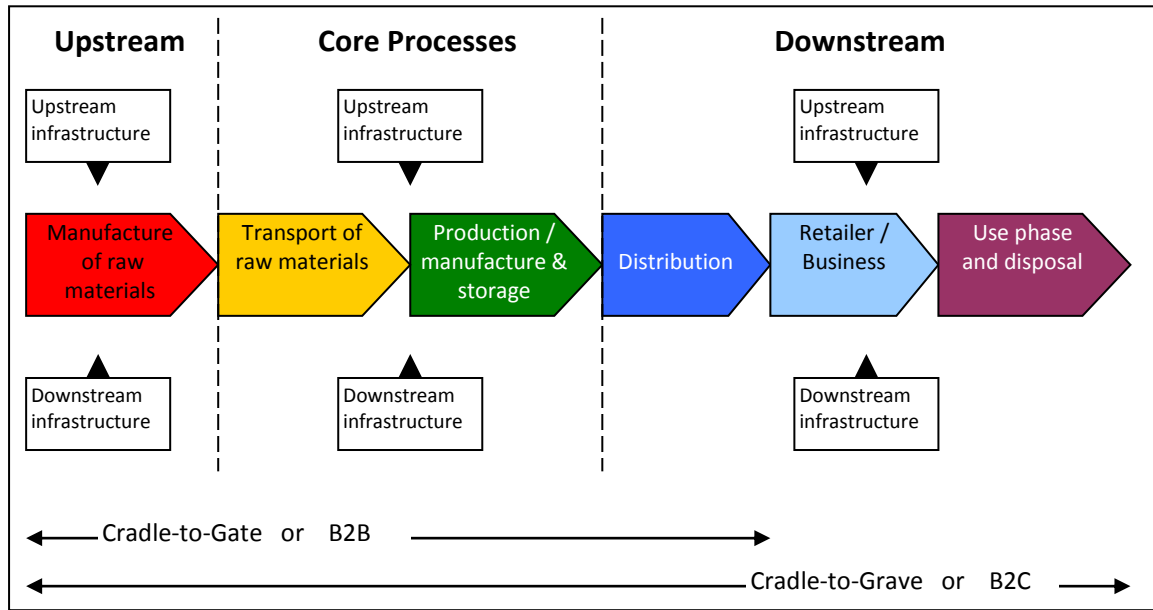
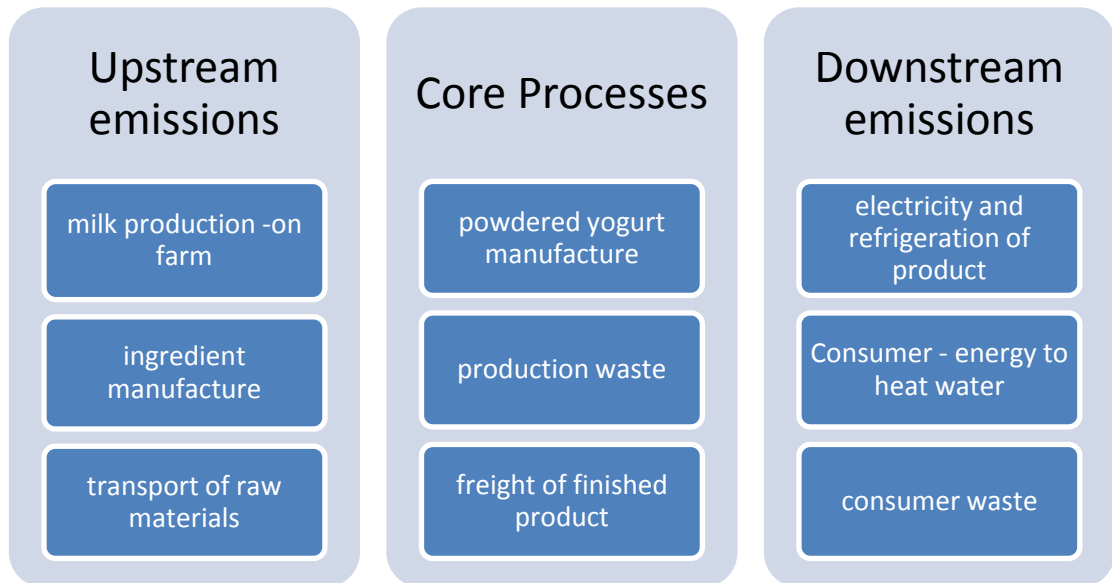


Figure 1: Life cycle phases for product

The diagram below shows the life cycle diagram used for describing the greenhouse gas emissions associated with Yogurt (powdered) product, and provides an overview of what unit processes were included in the product carbon footprint.



Summary of CEMARS® certification:



EasiYo Products Limited Yogurt (powdered)

Base period – 01/08/2009 to 31/07/2010

Measurement period – 01/08/2009 to 31/07/2010

Emissions and removals – The table below shows the GHG emissions and removals included for each life cycle stage and unit process. The yogurt (powdered) net emissions for this period for a kg of yogurt eaten by the consumer were 1.628 kilograms carbon dioxide equivalents (CO₂e) comprising:

Activity	kgCO ₂ e/kg product	%
Upstream	1.35	
milk powder	1.167	71.67
ingredients (exc. milk powder)	0.185	11.37
Core process	0.07	
freight of raw materials	0.027	1.66
yogurt maker production	0.033	2.06
manufacturing of product	0.014	0.84
Downstream	0.20	
Distribution	0.056	3.46
retail	0.044	2.68
use phase and end-of-life	0.102	6.26
TOTAL	1.63	100

Exclusions – Emissions source exclusions by life cycle stage are listed below

GHG emissions source	Reason for exclusion
Upstream	
On-farm land use change	Its is assumed all farms been in pasture for over 20 years and landuse change not required to be assessed
Land use change from use of pine kernel as dairy supplement feed	Indications are that pine kernel makes up <1% of supplementary feed in New Zealand, so is likely to be a small overall contribution. It is sourced from Malaysia. Also, this can be considered a waste material, and under PAS 2050 this can be considered to have zero emissions when it goes into a new system.
On-farm capital goods	capital goods e.g. farm equipment and infrastructure excluded in line with the LCA the data was based upon
On-farm livestock management	production of cleaning agents, antibiotics, pharmaceuticals. This data was unavailable.
Milk powder production	N ₂ and CO ₂ used as an inert gas in packaging are excluded as no data was available as to the quantities used.
Production of fruit squirts	Fruit squirts can be sold separately and are outside of the certification boundary which are the yogurt sachets.
Core Process	
Yogurt Maker	Electricity and fuel used in the production of the Yogurt Maker are excluded due to the lack of available data

Summary of CEMARS[®] certification:



EasiYo Products Limited Yogurt (powdered)

Downstream	
Washing of yogurt maker, bowl and spoon after consumption	This is highly uncertain and is excluded due to the unavailability of suitable data to base assumptions on
Wastewater treatment of excreted digestion products	Lifecycle assessment professionals are divided as to whether to include this within a measurement
Waste from foil wrap	Considered inert and unlikely to be a source of GHG emissions
Transport from retailer to consumer	Excluded as recommended in the PAS 2050 guidance

Data quality – 6% of the data for the EasiYo product was from primary data, 94% from secondary data. Overall, the data quality has been assessed for this product as ‘poor’.

Emissions reduction commitments – EasiYo has developed an emissions reduction plan that includes the product. Some projects in this plan include:

- Review procurement arrangements. Use more local suppliers if available, or have the ingredients transported by an alternative mode where feasible.
- Commission an energy audit to identify areas of high energy use and to identify reduction opportunities.
- Add sub-meters to potentially high energy use equipment and monitor usage more closely.
- In procurement policy for new equipment make high energy efficiency a key criteria
- Implement a formal regular maintenance regime for motors and air conditioning systems

Verified by – carboNZero Holdings Limited (Lead) and Green Fox (field support)

Materiality – Excluded emissions do not exceed 5% of the total footprint for organisation and product boundary stated.

Level of assurance – Limited assurance.

Certification status – CEMARS certified “product” for powdered yogurt sachets.

Certificate number – 2011205J

Valid until – 21/12/2012

6 John Glenn Avenue, North Harbour, Auckland 0632, New Zealand. Telephone: +64 (0)9 415 8185.
Email: info@easiyo.com Web: www.easiyo.com